

CLAIMS:

1. A method of manufacturing a flat panel light emitting device having predetermined dimensions, comprising:
 - 5 a) forming an area of light emitting materials on a substrate, the area having dimensions larger than the predetermined dimensions ;
and
 - b) cutting a portion having the predetermined dimensions from the substrate to form the flat panel light emitting device.
- 10 2. The method of claim 1, wherein the flat panel light emitting device is a light source.
3. The method of claim 1, wherein the light source is an area
15 illumination light source.
4. The method of claim 1, wherein the light source is back light.
5. The method of claim 2, wherein the light emitting area includes
20 an array of light emitting elements that are connected in series.
6. The method of claim 2, wherein the light emitting area includes an array of light emitting elements that are connected in parallel.
- 25 7. The method of claim 1 wherein the light emitting area includes an array of light emitting elements and the flat panel light emitting device is a display.
- 30 8. The method of claim 7 wherein the elements of the array each include three distinct light emitting regions, wherein one region emits red, one region emits green, and one region emits blue.

9. The method of claim 8 wherein the device is a passive matrix display.
10. The method of claim 11 wherein the device is an active matrix display.
11. The method of claim 1, wherein the substrate is a web.
12. The method of claim 1, wherein the substrate is a discrete sheets.
13. The method of claim 1, wherein the substrate is flexible.
14. The method of claim 1, wherein the substrate is rigid.
15. The method of claim 1, wherein the light emitting materials form an OLED.
16. The method of claim 1, wherein the area of light emitting materials comprise elongated light emitting elements.
17. The method of claim 1, further comprising the step of determining an optimum arrangement of multiple light emitting devices having one or more predetermined dimensions to be cut from the array.
18. The method of claim 1, further comprising the step of determining an optimum arrangement of multiple light emitting devices having multiple predetermined dimensions to be cut from the array.
19. The method of claim 1, wherein the light emitting device includes electrical contacts, and further comprising the steps of:

a) providing a cover over the light emitting device, leaving electrical contacts extending beyond the cover, and

b) sealing the cover to the substrate to encapsulate the light emitting materials between the substrate and the cover.

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20. The method of claim 19, further comprising the step of removing overlying materials to expose the electrical contacts beyond the cover.

21. The method of claim 1, wherein the area of light emitting materials defines a plurality of light emitting elements and further comprising the steps of:

10 a) providing electrical conductors between the light emitting elements and the periphery of the portion;

b) providing a cover over the light emitting device, leaving the electrical conductors extending beyond the cover; and

15 c) sealing the cover to the substrate to encapsulate the light emitting materials between the substrate and the cover.

22. The method of claim 21, further comprising the step of removing overlying materials to expose the electrical contacts beyond the cover.

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